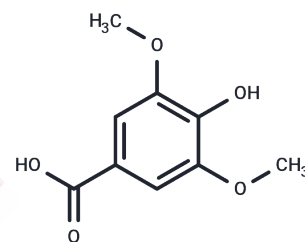


Syringic acid

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 530-57-4 |
| Formula: | C ₉ H ₁₀ O ₅ |
| Molecular Weight: | 198.17 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|--|
| Description | Syringic acid (3,5-dimethoxy-4-hydroxy Benzoic Acid) (SYRA) is a potential antioxidant used in traditional Chinese medicine and is an emerging nutraceutical. It has potential anti-angiogenic, anti-glycating, anti-hyperglycaemic, neuroprotective, and memory-enhancing properties. |
| Targets(IC50) | Endogenous Metabolite, Antibacterial |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 247 mg/mL (1246.4 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (25.23 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 5.0462 mL | 25.2309 mL | 50.4617 mL |
| 5 mM | 1.0092 mL | 5.0462 mL | 10.0923 mL |
| 10 mM | 0.5046 mL | 2.5231 mL | 5.0462 mL |
| 50 mM | 0.1009 mL | 0.5046 mL | 1.0092 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Güven M, et al. Turk J Med Sci. 2015;45(1):233-40.

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